SOW-00-844-1-88290B-2/1

Date: 09/02/99

STATEMENT OF WORK (SOW)

For the Repair of the DC-DC Converter NSN 7021-01-098-5016

P/N: 197047-100; CAGE: 13973

GYSGT R. WRIGHT

Equipment Specialist Data Systems Section (Code 844-1)

MCLB, Albany GA

STEPHANIE BYRD

Inventory Manager
Data Systems Section

(Code 844-1)

MCLB, Albany GA

HARVEY C. DEARING

Weapon System/Equipment Manager Data Systems Section (Code 844-1) MCLB, Albany GA

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STATEMENT OF WORK FOR THE

Repair of DC-DC Converter (7021-01-098-5016)

P/N: 197047-100; CAGE: 13973

1.0 Scope

1.1 Background

This Statement of Work (SOW) establishes, sets forth tasks, and identifies the work effort that shall be performed by the Contractor to repair the DC-DC Converter, 7021-01-098-5016; hereafter referred to as the DC-DC CONV. The DC-DC CONV is a component of the Tactical Air Operations Module (TAOM), AN/TYQ-23(V)1. This document contains requirements to restore the DC-DC CONV to Condition Code "A". Condition Code A is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned material which is serviceable and issuable to all customers without limitation or restriction, including material with more than 6 months shelf-life remaining."

2.0 Applicable Documents

The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-129 MIL-STD-2073-1C DoD Standard Practice for Military Marking
DoD Standard Practice for Military Packaging

Military Standards (For Reference Only)

MIL-STD-973

Configuration Management

2.2 Military Specifications

MIL-C-81309

Corrosion Preventive Compounds, Water Displacing, Ultra

Thin Film

2.3 Industry Standards

ANSI/EIA-625

Requirements for Handling Electrostatic-Discharge

Sensitive ESDS Devices

2.4 Other Government Documents and Publications: The issues of those documents cited below shall be used.

TM-08565A-24P/9 AN/TYQ-23(V)1 Illustrated Parts Breakdown Manual

DOD 4000.25-1-M MILSTRIP Manual

NAVICPINST 4491.2A Requisitioning of Contractor Furnished Materiel From the

Federal Supply System

(Copies of military specifications and standards are available from the Naval Publications and Forms Center, (Attn: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the contracting officer: Commander, Marine Corps Logistics Bases, (Code 890) Attn: Contracting Officer, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6773 or DSN 567-6773. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd STE 20320, Albany, Georgia 31704-0320, commercial telephone number (912) 439-6410 or DSN 567-6410.)

3.0 Requirements

- **3.1** General Tasks: In fulfilling the specified requirements, the Contractor shall provide materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, and test and calibrate the DC-DC CONV. Upon completion of repairing the subject item it shall be Condition Code "A".
- **3.2** <u>Detail Tasks:</u> The following tasks describe the different phases for repair of the DC-DC CONV:

Phase I Pre-Induction

Phase II Repair

Phase III Inspection, Testing and Acceptance
Phase IV Preparation for Shipment and/or Storage

- 3.2.1 Phase I (Pre-Induction): A pre-induction inspection analysis shall be performed for each DC-DC CONV within 5 working days of induction into the Contractor's facility for evaluation of repair capability. If repair is not feasible, assign Condition Code "H" (CC "H"), notify Marine Corps Logistics Base, Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. Standard Form 364 (Appendix A) and Report DA-2404 (Appendix B) shall be used to report all anomalies and shall be provided to the government in accordance with section 4.0 of this SOW.
- 3.2.2 Phase II (Repair): After pre-induction tests and inspections have been completed, repair of the DC-DC CONV shall be accomplished in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

a. Hardware

- (1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, mandatory replacement items, safety, and one-time use items. Unserviceable would include any of the above that failed to function properly.
- (2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.
- (3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.
- b. <u>Publications and Documentation</u>: The Contractor shall use appropriate technical documentation to restore the DC-DC CONV to condition code "A."
 - c. The following Standards and Publications shall be used to assist the Contractor:

MIL-C-81309 Corrosion Preventive Compounds, Water Displacing, Ultra

Thin Film

TM-08565A-24P/9 AN/TYQ-23(V)1 Illustrated Parts Breakdown Manual

3.2.3 Phase III (Inspection, Testing and Acceptance)

- a. Inspection, Testing and Acceptance of the DC-DC CONV shall be conducted in accordance with the documents and TM's listed in section 3.2.2.c and documentation retained by the manufacturer.
- b. The Contractor shall be responsible for conducting required tests in accordance with applicable procedures and specifications.
- c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB (Code 844-1), Albany, GA representatives may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

3.2.4 Phase IV (Packaging, Handling, Storage and Transportation (PHS&T))

- a. The Contractor shall be responsible for preservation and packaging of items being rebuilt under the terms of this statement of work in accordance with MIL-STD-2073-1C, Table A.VI., Electronic Equipment. Items scheduled for long term storage or shipment to overseas destinations shall be packaged in accordance with Level A requirements. Items scheduled for domestic shipment and short term storage shall be packaged in accordance with Level B requirements.
 - b. Marking of all items shall be in accordance with MIL-STD-129.
 - c. The Marine Corps will provide the contractor with the shipping address(es) for delivery

of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

- 3.3 Government Furnished Equipment (GFE)/Materiel (GFM) Accountability: GFE is government owned equipment authorized by contract for use by a commercial/Government contractor. It is neither consumed during production not incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into the product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA/G316-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets.
- 3.4 <u>Contractor Furnished Materiel (CFM):</u> The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.21A). In the event that Contractor Furnished Materiel (CFM) is required for repair parts, the contractor shall requisition repair parts through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP), Chapter 11 authorizes contractors to requisition through the DoD Supply System.
- 3.5 Electrostatic Discharge (ESD) Control Program: The contractor shall establish, implement and document an ESD control program following the guidelines provided in EIA-625. ESD protective measures shall be used during manufacturing, handling, inspection, test, marking, packaging, storing and transporting ESD sensitive components.
- 3.6 Quality Assurance Provisions: The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9003-1994, Quality System Model for Quality Assurance in Final Inspection and Test. The program shall ensure quality throughout all areas to include design, fabrication, processing, assembly, inspection, test, maintenance, and preparation for delivery and shipping. Unless otherwise specified in the contract, the contractor shall be responsible for performance of all inspection requirements. The Government reserves the right to perform any of the inspections set forth in the contract where such inspections are deemed necessary to assure products and services conform to the prescribed requirements.
- 3.7 <u>Acceptance:</u> The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to inprocess review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps representatives shall be permitted to observe the work or to conduct an inspection.
- 3.8 <u>Rejection:</u> Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB Code 844-1, Albany, representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

3.9 <u>Configuration Control</u>: The contractor shall apply configuration control procedures to establish configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without receiving prior written authorization. If it is necessary to depart from the authorized configuration baseline, the contractor shall submit a Request for Deviation or Request for Waiver using MIL-STD-973, paragraph 5.4.3 or 5.4.4, as a guide.

4.0 Reports

- 4.1 <u>Pre-Induction Checklist:</u> The Contractor shall complete the Pre-Induction Inspection Checklist for each DC-DC CONV repaired. These documents shall be available prior to final acceptance testing. One copy of each document shall be provided to MCLB (Code 844-1) Albany, Georgia, after final acceptance of the DC-DC CONV.
- **4.2** Repairable Item Inspection Report: The Contractor shall provide a Repairable Item Inspection Report for each DC-DC CONV. The report shall be identified by United States Marine Corps Serial Number.
- **4.3** Monthly Progress Report: The Contractor shall provide a Monthly Progress Report summarizing the progress and status of the DC-DC CONV Program.

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17. PRICE GROUP

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Form Approved OMB No. 0704-0188

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17. PRICE GROUP

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17. PRICE GROUP

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